



FIG. 1

Constructs	Prokaryotic				Eukaryotic	
	(Growth)				(β -lactamase activity)	
	Kar	Carb/PTG	β -lactamase activity (in medium)	Medium	Cell lysis	
Intact β -lactamase	+	+	+	+	+	
Leaderless β -lactamase	+	-	-	-	+	
Signal peptide β -lactamase	+	+	+	+	+	
Non-secreted protein β -lactamase fusion	+	-	-	-	+	
Trans-membrane protein β -lactamase fusion	+	<0.01%	-/+	-	+	
5' biased cDNA β -lactamase library	+	-1%	-80%	-50%	NA	

FIG. 2